

Application No.: 10/612,608

Docket No.: JCLA8671-1

In The Claims:

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

Claims 1-6 (cancelled)

7. (currently amended) A method of fabricating organic electroluminescence panel comprising the steps of

providing a substrate;

forming a plurality of first electrodes on the substrate, wherein the first electrode includes a driving region and at least an interconnection region and the interconnection region is protruded from the driving region;

forming at least a patterned organic ~~electroluminescence panel~~ light-emitting layer on the substrate, wherein the patterned organic light-emitting layer exposes the interconnection region;

forming a hole injection layer between the first electrodes and the organic light-emitting layer after the formation of the first electrodes but before the formation of the light-emitting layer;

forming a plurality of second electrodes on the organic light-emitting layer; and

forming a plurality of poly solder interconnections on the interconnection region and on the second electrodes.

Application No.: 10/612,608

Docket No.: JCLA8671-1

8. (original) The method of claim 7, wherein each of the driving regions of the first electrodes is a stripe.

9. (original) The method of claim 7, wherein each of the driving regions of the second electrodes is a stripe.

10. (original) The method of claim 7, wherein the extension direction of the first electrodes is perpendicular to
the extension direction of the second electrodes.

11. (original) The method of claim 7, wherein the material for the first electrodes includes
Indium Tin Oxide (ITO), Indium Zinc Oxide (IZO), or Aluminium Zinc Oxide (AZO).

12. (original) The method of claim 7, wherein the material for the second electrodes include metal.

13. (original) The method of claim 7, wherein the poly solder interconnections include silver paste.

Application No.: 10/612,608

Docket No.: JCLA8671-1

14. (original) The method of claim 7, wherein the poly solder interconnections are formed by screen printing or paste.

15. (original) The method of claim 7, wherein the formation of the patterned organic light-emitting layer comprises the steps of:

forming an organic light-emitting layer; and

defining the organic light-emitting layer to form a plurality of openings thereon, wherein the openings expose the interconnection regions.

16. (original) The method of claim 7, wherein the formation of the patterned organic light-emitting layer comprises the steps of :

forming an organic light-emitting layer; and

defining the organic light-emitting layer to form a plurality of stripes thereon, wherein the openings expose the interconnection regions.

Claim 17 (cancelled)

18. (currently amended) The method of claim 47, further comprising the step of forming a hole transmitting layer between the hole injection layer and the organic light-emitting layer after the formation of the electron injection layer but before the formation of the light emitting layer.

Application No.: 10/612,608

Docket No.: JCLA8671-1

19. (original) The method of claim 7, further comprising the step of forming an electron transmitting layer between the organic light-emitting layer and the second electrode after the formation of the organic light-emitting layer but before the formation of the second electrodes.

20. (original) The method of claim 19, further comprising the step of forming an electron injection layer between the electron transmitting layer and the second electrodes after the formation of the electron transmitting layer but before the formation of the cathode.

21. (original) The method of claim 7, wherein the poly solder interconnections include low re-flow temperature materials.

22. (original) The method of claim 7, wherein the poly solder interconnections are in area array.